

Illinois

Science and Engineering Profile							
Characteristic	State	U.S.	Rank	Characteristic	State	U.S.	Rank
Doctoral scientists, 1999 ¹	20,540	518,670	7	Total R&D performance, 1998 (millions).....	\$8,830	\$214,668	7
Doctoral engineers, 1999 ¹	4,020	107,100	9	Industry R&D, 1998 (millions).....	\$6,892	\$163,480	9
S&E doctorates awarded, 1999 ¹	1,313	25,953	5	Academic R&D, 1998 (millions).....	\$1,026	\$25,342	7
of which, in social sciences.....	21%	16%		of which, in life sciences.....	53%	57%	
in engineering.....	21%	21%		in engineering.....	15%	16%	
in life sciences.....	20%	25%		in physical sciences.....	9%	9%	
S&E postdoctorates, 1998 ¹				Public higher education current-fund expenditures, 1997 (millions).....	\$4,713	\$125,236	7
in doctorate-granting institutions.....	1,203	39,494	8	Number of SBIR awards, 1990-98.....	525	35,413	19
S&E graduate students, 1998 ¹				Patents issued to state residents, 1999.....	3,736	83,901	6
in doctorate-granting institutions.....	20,778	422,834	5	Gross state product, 1998 (billions).....	\$426	\$8,800	4
Population, 1999 (thousands).....	12,128	276,580	5	of which, agriculture.....	1%	1%	
Civilian labor force, 1999 (thousands).....	6,385	140,536	5	manufacturing, mining, construction.....	22%	22%	
Personal income per capita, 1999.....	\$31,145	\$28,542	8	transportation, communication, utilities.....	10%	9%	
Federal spending				wholesale and retail trade.....	16%	16%	
Total expenditures, 1999 (millions).....	\$55,836	\$1,508,933	7	finance, insurance, real estate.....	20%	19%	
R&D obligations, 1998 (millions).....	\$1,128	\$70,445	17	services.....	22%	21%	
				government.....	10%	12%	

NOTE: Rankings and totals are based on data for the 50 States, District of Columbia, and Puerto Rico. Reliability of the estimates of industry R&D and of doctoral scientists and engineers varies by State, because the sample allocation was not based on geography. The rankings do not take into account the margin of error of estimates from sample surveys.

¹Data on graduate students, doctoral scientists and engineers, and postdoctorates include all graduate degree (except M.D.) candidates and recipients in S&E fields, including health fields. Data on S&E doctorates awarded do not include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1998								
Agency	Performer							
	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank, total
	[In thousands of dollars]							
Total, all agencies.....	1,127,553	71,946	398,996	82,221	504,232	61,529	8,629	17
Department of Agriculture.....	43,013	31,528	0	0	11,075	410	0	8
Department of Commerce.....	4,720	67	0	3,590	683	380	0	25
Department of Defense.....	123,493	27,792	8,601	44,626	42,135	339	0	28
Department of Energy.....	454,767	4,595	390,068	13,427	44,628	2,049	0	4
Dept. of Health & Human Services.....	342,935	342	0	10,615	274,036	53,520	4,422	10
Department of the Interior.....	5,786	5,112	0	4	205	0	465	35
Department of Transportation.....	11,685	45	57	4,601	2,626	804	3,552	12
Environmental Protection Agency.....	2,860	0	0	282	2,578	0	0	25
National Aeronautics and Space Admin.....	17,556	2,465	270	3,365	10,187	1,079	190	26
National Science Foundation.....	120,738	0	0	1,711	116,079	2,948	0	4
State rank, total.....	17	26	3	30	7	12	7	na

NOTE: Federal R&D obligations are as reported by funding agencies. Ranks and totals are based on data for the 50 States, District of Columbia, and Puerto Rico.

KEY: FFRDC = federally funded research and development center; SBIR = small business innovation research; na = not applicable.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources -- see the section, "Data Sources for Science and Engineering (S&E) State Profiles".